

Day : Monday
Date: 6/12/2006

Time: 16:25:55

 **PALM INTRANET**

Inventor Information for 10/525740

Inventor Name	City	State/Country
<u>TSUJII, YASUHIITO</u>	FUKUI	JAPAN
<u>MARUYAMA, GAKU</u>	FUKUI	JAPAN
<u>OGAWA, KAORU</u>	OSAKA	JAPAN
<u>TAKADA, YOSHINORI</u>	FUKUI	JAPAN
<u>KOISHI, KAZUHISA</u>	FUKUI	JAPAN
<u>SUSUKI, KENTA</u>	FUKI	JAPAN

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<u>TSUJII, YASUHIITO</u>	FUKUI	JAPAN
<u>MARUYAMA, GAKU</u>	FUKUI	JAPAN
<u>OGAWA, KAORU</u>	OSAKA	JAPAN
<u>TAKADA, YOSHINORI</u>	FUKUI	JAPAN
<u>KOISHI, KAZUHISA</u>	FUKUI	JAPAN
<u>SUSUKI, KENTA</u>	FUKI	JAPAN

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Day : Monday
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Time: 16:26:01

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = TSUJII

First Name = YASUHITO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10525740	Not Issued	30	10/11/2005	Method for continuous production of polyamide	TSUJII, YASUHITO

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	<input type="button" value="Search"/>
	<input type="text" value="TSUJII"/>	<input type="text" value="YASUHITO"/>	

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Day : Monday
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**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = MARUYAMA

First Name = GAKU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10517115	Not Issued	30	03/14/2005	Polyester composition and polyester packaging material comprising the same	MARUYAMA, GAKU
10525740	Not Issued	30	10/11/2005	Method for continuous production of polyamide	MARUYAMA, GAKU

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="MARUYAMA"/>	<input type="text" value="GAKU"/>	<input type="button" value="Search"/>

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Day : Monday
Date: 6/12/2006

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PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = OGAWA

First Name = KAORU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09175404	6187600	150	10/20/1998	SILICON SUBSTRATE EVALUATION METHOD AND SEMICONDUCTOR DEVICE MANUFACTURING METHOD	OGAWA, KAORU
10019832	6986990	150	03/28/2002	POLLEN ALLERGY-RELATED GENE 513	OGAWA, KAORU
10380254	Not Issued	71	07/31/2003	Method of testing for allergic diseases	OGAWA, KAORU
10380255	Not Issued	41	08/06/2003	Method of testing for allergic diseases	OGAWA, KAORU
10398877	Not Issued	41	08/11/2003	Method of examining for allergic disease	OGAWA, KAORU
10398885	Not Issued	41	08/11/2003	Method of examining allergic disease	OGAWA, KAORU
10525740	Not Issued	30	10/11/2005	Method for continuous production of polyamide	OGAWA, KAORU
10535928	Not Issued	30	12/09/2005	Methods of screening for compounds that inhibit the biosynthesis of gpi in malaria parasites	OGAWA, KAORU
10727505	Not Issued	30	12/05/2003	Display forming method of packaging case, decoration body, and packaging case using the same	OGAWA, KAORU
10753182	Not Issued	20	01/07/2004	Method, program, and system for editing contents of multimedia	OGAWA, KAORU
11203395	Not Issued	41	08/12/2005	Printing media feeding apparatus, printing apparatus provided with the feeding apparatus, printing media feeding speed control method and computer program	OGAWA, KAORU
29189111	D516906	150	08/29/2003	GOLF BALL PACKAGE SLEEVE	OGAWA, KAORU

<u>29222805</u>	Not Issued	30	02/04/2005	Golf ball container	OGAWA, KAORU
<u>29223520</u>	<u>D517313</u>	150	02/16/2005	CLIP MARKER	OGAWA, KAORU

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	Search
	<input type="text" value="OGAWA"/>	<input type="text" value="KAORU"/>	

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Day : Monday
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PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = TAKADA

First Name = YOSHINORI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
06231610	4395320	250	02/05/1981	METHOD AND APPARATUS FOR PRODUCING ELECTRODEPOSITED WIRES	TAKADA, YOSHINORI
06360364	4474410	150	03/22/1982	POWER-DRIVEN, WEDGE-OPERATED ROCK SPLITTER	TAKADA, YOSHINORI
06521809	Not Issued	166	08/10/1983	ARTIFICIAL LUNG SURFACTANT AND REMEDY FOR RESPIRATORY DISTRESS SYNDROME CONTAINING IT AS ACTIVE PRINCIPLE	TAKADA, YOSHINORI
06890532	Not Issued	161	07/30/1986	ALUMINUM COMPOSITE MATERIAL	TAKADA, YOSHINORI
07056298	4973582	150	05/29/1987	ARTIFICIAL LUNG SURFACTANT AND REMEDY FOR RESPIRATORY DISTRESS SYNDROME CONTAINING IT AS ACTIVE PRINCIPLE	TAKADA, YOSHINORI
07360030	5076996	150	06/01/1989	SYSTEM FOR MONITORING OPERATING CONDITION OF A CONTROL ROD DRIVE MECHANISM	TAKADA, YOSHINORI
08392217	5498495	150	02/22/1995	ALLOY FOR NEGATIVE ELECTRODE OF LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY	TAKADA, YOSHINORI
08481257	5614334	250	06/30/1995	MATERIAL FOR LITHIUM BATTERY POSITIVE ELECTRODE AND PRODUCTION THEREOF	TAKADA, YOSHINORI
08849192	5804335	250	05/27/1997	LITHIUM SECONDARY BATTERY	TAKADA, YOSHINORI
09037705	5989745	150	03/10/1998	LITHIUM SECONDARY	TAKADA,

				BATTERY	YOSHINORI
<u>09217055</u>	Not Issued	161	12/21/1998	KEY TELEPHONE SYSTEM CAPABLE OF DISPLAYING A PLURALITY OF OUTGOING TELEPHONE NUMBERS INCLUDED IN INCOMING CALLS	TAKADA, YOSHINORI
<u>09500132</u>	Not Issued	61	02/08/2000	Functional roll film and vacuum evaporation apparatus capable of producing the functional roll film	TAKADA, YOSHINORI
<u>09807872</u>	<u>6721263</u>	150	07/09/2001	DISK HOLDING MECHANISM AND DISK HOLDING MECHANISM CLAMPER	TAKADA, YOSHINORI
<u>10031019</u>	<u>6795970</u>	150	01/14/2002	DISK LOADING APPARATUS WITH FLOATABLE CLAMP MEANS	TAKADA, YOSHINORI
<u>10525740</u>	Not Issued	30	10/11/2005	Method for continuous production of polyamide	TAKADA, YOSHINORI

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	<input type="button" value="Search"/>
	<input type="text" value="TAKADA"/>	<input type="text" value="YOSHINORI"/>	

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Day : Monday
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Inventor Name Search Result

Your Search was:

Last Name = KOISHI

First Name = KAZUHISA

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10525740	Not Issued	30	10/11/2005	Method for continuous production of polyamide	KOISHI, KAZUHISA

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="KOISHI"/>	<input type="text" value="KAZUHISA"/>	<input type="button" value="Search"/>

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Inventor Name Search Result

Your Search was:

Last Name = SUSUKI

First Name = KENTA

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10525740	Not Issued	30	10/11/2005	Method for continuous production of polyamide	SUSUKI, KENTA

Inventor Search Completed: No Records to Display.

	Last Name	First Name	
Search Another: Inventor	<input type="text" value="SUSUKI"/>	<input type="text" value="KENTA"/>	<input type="button" value="Search"/>

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DATE: Monday, June 12, 2006

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		<i>DB=PGPB,USPT,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 and melt viscosity	1
<input type="checkbox"/>	L1	polyamide and continuous near3 produc\$4 and multistage adj3 (reactor or vessel or apparatus)	17

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☐ 1. Document ID: US 20060122360 A1

L2: Entry 1 of 1

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060122360

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060122360 A1

TITLE: Method for continuous production of polyamide

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsujii; Yasuhito	Fukui		JP
Maruyama; Gaku	Fukui		JP
Ogawa; Kaoru	Osaka		JP
Takada; Yoshinori	Fukui		JP
Koishi; Kazuhisa	Fukui		JP
Susuki; Kenta	Fuki		JP

US-CL-CURRENT: 528/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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Term	Documents
MELT	444421
MELTS	85944
VISCOSITY	512173
VISCOSITIES	57521
VISCOSITYS	3
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(L1 AND MELT VISCOSITY) .PGPB,USPT,DWPI.	1

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☐ 1. Document ID: US 20060122360 A1

L1: Entry 1 of 17

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060122360

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060122360 A1

TITLE: Method for continuous production of polyamide

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsujii; Yasuhito	Fukui		JP
Maruyama; Gaku	Fukui		JP
Ogawa; Kaoru	Osaka		JP
Takada; Yoshinori	Fukui		JP
Koishi; Kazuhisa	Fukui		JP
Susuki; Kenta	Fuki		JP

US-CL-CURRENT: 528/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20050240058 A1

L1: Entry 2 of 17

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050240058

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050240058 A1

TITLE: Process for preparing 4-aminodiphenylamine

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feng, Xiaogen	Cao County		CN
Wang, Nongyue	Cao County		CN
Mao, Xiaohui	Cao County		CN

Yu, Ruibiao	Cao County	CN
Cheng, Qianwen	Cao County	CN

US-CL-CURRENT: 564/416

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D
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☐ 3. Document ID: US 20050065376 A1

L1: Entry 3 of 17

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050065376

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050065376 A1

TITLE: Process for preparing 4-aminodiphenylamine

PUBLICATION-DATE: March 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Nongyue	Cao County		CN
Yu, Ruibiao	Cao County		CN
Mao, Xiaohui	Cao County		CN
Feng, Xiaogen	Cao County		CN
Cheng, Qianwen	Cao County		CN

US-CL-CURRENT: 564/434

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D
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☐ 4. Document ID: US 20040086733 A1

L1: Entry 4 of 17

File: PGPB

May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040086733

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040086733 A1

TITLE: Polyester resin, molded product made thereof and process for production of polyester resin

PUBLICATION-DATE: May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujimori, Yoshihiro	Yokkaichi-shi		JP
Fujioka, Kiyotoshi	Yokkaichi-shi		JP
Nukui, Masahiro	Yokkaichi-shi		JP
Yatsugi, Yutaka	Yokkaichi-shi		JP

Nakamichi, Kazuya	Yokkaichi-shi	JP
Satou, Noboru	Yokkaichi-shi	JP
Kambe, Toshio	Yokkaichi-shi	JP
Niwa, Hirotsuga	Yokkaichi-shi	JP

US-CL-CURRENT: 428/480

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw. De
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☐ 5. Document ID: US 20030144459 A1

L1: Entry 5 of 17

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030144459

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030144459 A1

TITLE: Polyester resin, molded product made thereof and process for production of polyester resin

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujimori, Yoshihiro	Mie		JP
Fujioka, Kiyotoshi	Mie		JP
Nukui, Masahiro	Mie		JP
Yatsugi, Yutaka	Mie		JP
Nakamichi, Kazuya	Mie		JP
Satou, Noboru	Mie		JP
Kambe, Toshio	Mie		JP
Niwa, Hirotsugu	Mie		JP

US-CL-CURRENT: 528/275; 528/276, 528/277, 528/286

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw. De
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☐ 6. Document ID: US 20010012883 A1

L1: Entry 6 of 17

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010012883

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010012883 A1

TITLE: Process for producing polyamide

PUBLICATION-DATE: August 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tanaka, Kazumi	Niigata-ken		JP
Kurose, Hideyuki	Niigata-ken		JP

US-CL-CURRENT: 528/324; 528/329.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 7048995 B2

L1: Entry 7 of 17

File: USPT

May 23, 2006

US-PAT-NO: 7048995

DOCUMENT-IDENTIFIER: US 7048995 B2

TITLE: Polyester resin, molded product made thereof and process for production of polyester resin

DATE-ISSUED: May 23, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040086733 A1

May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujimori, Yoshihiro	Mie			JP
Fujioka, Kiyotoshi	Mie			JP
Nukui, Masahiro	Mie			JP
Yatsugi, Yutaka	Mie			JP
Nakamichi, Kazuya	Mie			JP
Satou, Noboru	Mie			JP
Kambe, Toshio	Mie			JP
Niwa, Hirotugu	Mie			JP

US-CL-CURRENT: 428/221; 428/364, 524/706, 524/779, 524/783, 524/785, 525/437,
525/445, 528/275, 528/279, 528/280, 528/281, 528/283, 528/285, 528/286, 528/301,
528/308.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 6703474 B2

L1: Entry 8 of 17

File: USPT

Mar 9, 2004

US-PAT-NO: 6703474

DOCUMENT-IDENTIFIER: US 6703474 B2

TITLE: Polyester resin, molded product made thereof and process for production of polyester resin

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujimori; Yoshihiro	Mie			JP
Fujioka; Kiyotoshi	Mie			JP
Nukui; Masahiro	Mie			JP
Yatsugi; Yutaka	Mie			JP
Nakamichi; Kazuya	Mie			JP
Satou; Noboru	Mie			JP

US-CL-CURRENT: 528/275; 428/221, 428/364, 524/706, 524/779, 524/783, 524/785,
525/437, 525/445, 528/279, 528/280, 528/281, 528/283, 528/285, 528/286, 528/301,
528/308.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 9. Document ID: US 6489435 B2

L1: Entry 9 of 17

File: USPT

Dec 3, 2002

US-PAT-NO: 6489435

DOCUMENT-IDENTIFIER: US 6489435 B2

TITLE: Process for producing polyamide

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Kazumi	Niigata			JP
Kurose; Hideyuki	Niigata			JP

US-CL-CURRENT: 528/310; 528/312, 528/322, 528/332, 528/335, 528/336, 528/339,
528/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 10. Document ID: US 6355737 B1

L1: Entry 10 of 17

File: USPT

Mar 12, 2002

US-PAT-NO: 6355737

DOCUMENT-IDENTIFIER: US 6355737 B1

**** See image for Certificate of Correction ****

TITLE: Method for producing polymer mixtures comprised of amino nitriles and thermoplastic polymers

DATE-ISSUED: March 12, 2002

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mohrschladt; Ralf	Schwetzingen			DE
Weber; Martin	Maikammer			DE
Hildebrandt; Volker	Mannheim			DE

US-CL-CURRENT: [525/420](#); [525/422](#), [525/432](#), [525/436](#), [525/63](#), [525/70](#), [525/71](#), [528/170](#), [528/310](#), [528/322](#), [528/332](#), [528/353](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Term	Documents
POLYAMIDE	200221
POLYAMIDES	92391
CONTINUOUS	1457089
CONTINUOU	54
MULTISTAGE	37471
MULTISTAGES	448
REACTOR	319698
REACTORS	80727
VESSEL	526285
VESSELS	192930
APPARATUS	3560193
(POLYAMIDE AND CONTINUOUS NEAR3 PRODUC\$4 AND MULTISTAGE ADJ3 (REACTOR OR VESSEL OR APPARATUS)).PGPB,USPT,DWPI.	17

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☐ 11. Document ID: US 6316588 B1

L1: Entry 11 of 17

File: USPT

Nov 13, 2001

US-PAT-NO: 6316588

DOCUMENT-IDENTIFIER: US 6316588 B1

**** See image for Certificate of Correction ****

TITLE: Continuous preparation of polyamides from aminonitriles

DATE-ISSUED: November 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mohrschladt; Ralf	Schwetzingen			DE
Hildebrandt; Volker	Mannheim			DE
Fuchs; Eberhard	Frankenthal			DE

US-CL-CURRENT: 528/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D
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☐ 12. Document ID: US 6201096 B1

L1: Entry 12 of 17

File: USPT

Mar 13, 2001

US-PAT-NO: 6201096

DOCUMENT-IDENTIFIER: US 6201096 B1

TITLE: Continuous polymerization process for preparing polyamides from omega-aminonitriles

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Marchildon; Ernest Keith	Kingston			CA
Mutel; Ahmut Turgut	Kingston			CA

US-CL-CURRENT: 528/310; 528/322, 528/323, 528/328, 528/332, 528/336, 528/362, 528/363

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 13. Document ID: US 5928674 A

L1: Entry 13 of 17

File: USPT

Jul 27, 1999

US-PAT-NO: 5928674

DOCUMENT-IDENTIFIER: US 5928674 A

TITLE: Apparatus for the continuous process for expanding thermoplastic minipellets

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Hackettstown	NJ	07840	
Trivedi; Yogesh C.	Grosse Ile	MI	48138	

US-CL-CURRENT: 425/4C; 425/817C

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 5753157 A

L1: Entry 14 of 17

File: USPT

May 19, 1998

US-PAT-NO: 5753157

DOCUMENT-IDENTIFIER: US 5753157 A

TITLE: Continuous process for expanding thermoplastic minipellets

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Mount Olive	NJ		
Trivedi; Yogesh C.	Grosse Ile	MI		

US-CL-CURRENT: 264/53; 521/56, 521/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 5580503 A

L1: Entry 15 of 17

File: USPT

Dec 3, 1996

US-PAT-NO: 5580503

DOCUMENT-IDENTIFIER: US 5580503 A

TITLE: Continuous process for expanding thermoplastic minipellets

DATE-ISSUED: December 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Mount Olive	NJ		
Trivedi; Yogesh C.	Grosse Ile	MI		

US-CL-CURRENT: 264/53; 521/56, 521/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 4031851 A

L1: Entry 16 of 17

File: USPT

Jun 28, 1977

US-PAT-NO: 4031851

DOCUMENT-IDENTIFIER: US 4031851 A

TITLE: Apparatus for producing improved high strength filaments

DATE-ISSUED: June 28, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Camahort; Jose L.	Acton	MA	01720	

US-CL-CURRENT: 118/718; 118/724, 118/725, 118/733, 277/431, 427/251

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 17. Document ID: DE 19923439 A1

L1: Entry 17 of 17

File: DWPI

Nov 23, 2000

DERWENT-ACC-NO: 2001-103960

DERWENT-WEEK: 200112

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TITLE: Multistage apparatus for evaporating water from a mixture with caprolactam without a vacuum comprises a sump, heater, packing, cooler and conical cover

INVENTOR: FABIG, B

PRIORITY-DATA: 1999DE-1023439 (May 21, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 19923439 A1</u>	November 23, 2000		004	B01D003/38

INT-CL (IPC): [B01 D 3/38](#); [C07 D 201/16](#); [C07 D 223/10](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D.
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Term	Documents
POLYAMIDE	200221
POLYAMIDES	92391
CONTINUOUS	1457089
CONTINUOU	54
MULTISTAGE	37471
MULTISTAGES	448
REACTOR	319698
REACTORS	80727
VESSEL	526285
VESSELS	192930
(POLYAMIDE AND CONTINUOUS NEAR3 PRODUCE\$4 AND MULTISTAGE ADJ3 (REACTOR OR VESSEL OR APPARATUS)).PGPB,USPT,DWPI.	17

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☐ 11. Document ID: US 6316588 B1

L1: Entry 11 of 17

File: USPT

Nov 13, 2001

US-PAT-NO: 6316588

DOCUMENT-IDENTIFIER: US 6316588 B1

**** See image for Certificate of Correction ****TITLE: Continuous preparation of polyamides from aminonitriles

DATE-ISSUED: November 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mohrschladt; Ralf	Schwetzingen			DE
Hildebrandt; Volker	Mannheim			DE
Fuchs; Eberhard	Frankenthal			DE

US-CL-CURRENT: 528/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 12. Document ID: US 6201096 B1

L1: Entry 12 of 17

File: USPT

Mar 13, 2001

US-PAT-NO: 6201096

DOCUMENT-IDENTIFIER: US 6201096 B1

TITLE: Continuous polymerization process for preparing polyamides from omega-aminonitriles

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Marchildon; Ernest Keith	Kingston			CA
Mutel; Ahmut Turgut	Kingston			CA

US-CL-CURRENT: 528/310; 528/322, 528/323, 528/328, 528/332, 528/336, 528/362, 528/363

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 13. Document ID: US 5928674 A

L1: Entry 13 of 17

File: USPT

Jul 27, 1999

US-PAT-NO: 5928674

DOCUMENT-IDENTIFIER: US 5928674 A

TITLE: Apparatus for the continuous process for expanding thermoplastic minipellets

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Hackettstown	NJ	07840	
Trivedi; Yogesh C.	Grosse Ile	MI	48138	

US-CL-CURRENT: 425/4C; 425/817C

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 14. Document ID: US 5753157 A

L1: Entry 14 of 17

File: USPT

May 19, 1998

US-PAT-NO: 5753157

DOCUMENT-IDENTIFIER: US 5753157 A

TITLE: Continuous process for expanding thermoplastic minipellets

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Mount Olive	NJ		
Trivedi; Yogesh C.	Grosse Ile	MI		

US-CL-CURRENT: 264/53; 521/56, 521/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 15. Document ID: US 5580503 A

L1: Entry 15 of 17

File: USPT

Dec 3, 1996

US-PAT-NO: 5580503

DOCUMENT-IDENTIFIER: US 5580503 A

TITLE: Continuous process for expanding thermoplastic minipellets

DATE-ISSUED: December 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall, III; Thomas N.	Mount Olive	NJ		
Trivedi; Yogesh C.	Grosse Ile	MI		

US-CL-CURRENT: 264/53; 521/56, 521/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 16. Document ID: US 4031851 A

L1: Entry 16 of 17

File: USPT

Jun 28, 1977

US-PAT-NO: 4031851

DOCUMENT-IDENTIFIER: US 4031851 A

TITLE: Apparatus for producing improved high strength filaments

DATE-ISSUED: June 28, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Camahort; Jose L.	Acton	MA	01720	

US-CL-CURRENT: 118/718; 118/724, 118/725, 118/733, 277/431, 427/251

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 17. Document ID: DE 19923439 A1

L1: Entry 17 of 17

File: DWPI

Nov 23, 2000

DERWENT-ACC-NO: 2001-103960

DERWENT-WEEK: 200112

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TITLE: Multistage apparatus for evaporating water from a mixture with caprolactam without a vacuum comprises a sump, heater, packing, cooler and conical cover

INVENTOR: FABIG, B

PRIORITY-DATA: 1999DE-1023439 (May 21, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 19923439 A1</u>	November 23, 2000		004	B01D003/38

INT-CL (IPC): [B01 D 3/38](#); [C07 D 201/16](#); [C07 D 223/10](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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Term	Documents
POLYAMIDE	200221
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CONTINUOUS	1457089
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MULTISTAGE	37471
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REACTOR	319698
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(POLYAMIDE AND CONTINUOUS NEAR3 PRODUCE\$4 AND MULTISTAGE ADJ3 (REACTOR OR VESSEL OR APPARATUS)).PGPB,USPT,DWPI.	17

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L1: Entry 17 of 17

File: DWPI

Nov 23, 2000

DERWENT-ACC-NO: 2001-103960

DERWENT-WEEK: 200112

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Multistage apparatus for evaporating water from a mixture with caprolactam without a vacuum comprises a sump, heater, packing, cooler and conical cover

INVENTOR: FABIG, B

PATENT-ASSIGNEE: LAUSITZER TEPPICHFASERWERK GMBH (LAUSN)

PRIORITY-DATA: 1999DE-1023439 (May 21, 1999)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 19923439 A1	November 23, 2000		004	B01D003/38

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 19923439A1	May 21, 1999	1999DE-1023439	

INT-CL (IPC): [B01 D 3/38](#); [C07 D 201/16](#); [C07 D 223/10](#)

ABSTRACTED-PUB-NO: DE 19923439A

BASIC-ABSTRACT:

NOVELTY - Apparatus for evaporating water without the need for a vacuum from a mixture with epsilon -caprolactam comprises a multistage vessel consisting of a sump (5), a heater (4), a packing (3), a cooler (2) and a conical cover (1).

USE - In the continuous production of polyamides.

ADVANTAGE - The high energy costs associated with the use of a vacuum are avoided, as are also the problems of foaming and the need for further purification steps.

DESCRIPTION OF DRAWING(S) - The drawing shows the five-part vessel with

conical cover 1

cooler 2

packing, eg of Raschig rings 3

heater section 4

double mantle heated sump 5

outlet for evaporated material 6

N2 inlet 7

monitoring probe 8

coolant inlet 9

coolant outlet 10

product outlet 11

outer heating coil inlet 12

inner heating coil inlet 13

heating medium inlet 14

condensate outlet 15

inner heating coil outlet 17

monitoring probe 21

reflux plate 22

ABSTRACTED-PUB-NO: DE 19923439A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: A41 E13
CPI-CODES: A05-F03; A10-D03; A10-D04; E07-D06;

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